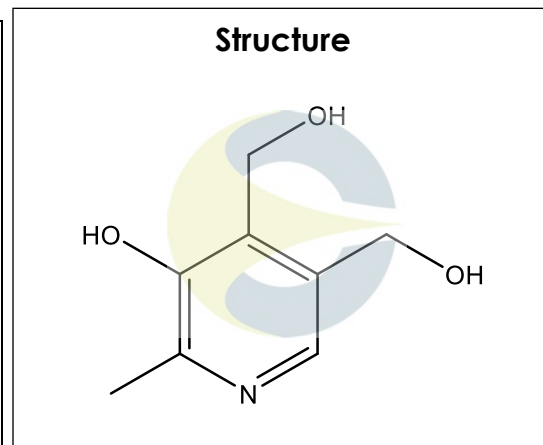


**Certificate of Analysis**
*For Laboratory Use Only*

<b>PRODUCT NAME</b>	Vitamin B6 (Pyridoxine)
<b>PART NUMBER</b>	00022731
<b>STANDARD TYPE</b>	Primary (P)
<b>LOT NUMBER</b>	00022731-301
<b>REPORT NUMBER</b>	CDXA-RSS-9131-00
<b>SAMPLE NUMBER</b>	CDXP-20-00635
<b>DATE OF SAMPLE</b>	09/01/2020
<b>DATE OF REPORT</b>	09/18/2020



<b>CHEMICAL NAMES</b>	5-Hydroxy-6-methyl-3,4-pyridinedimethanol; Pyridoxin; Pyridoxine; Pyridoxol
<b>CHEMICAL FORMULA</b>	C <sub>8</sub> H <sub>11</sub> NO <sub>3</sub>
<b>MOLECULAR WEIGHT (MW)</b>	169.18
<b>CHEMICAL FAMILY</b>	Vitamins
<b>CAS NUMBER</b>	[65-23-6]
<b>EC#(EINECS)</b>	200-603-0
<b>RTECS</b>	UV1300000

**ANALYTICAL RESULTS**

TEST	METHOD	SPECIFICATION	RESULT
Adjusted Purity	NA	NA	99.8%
HPLC	0.700.10.2.METH60	NA	99.9%
NMR	0.700.12.4	Conforms to structure	Conforms to structure
Mass Spectrum	0.700.12.27	Conforms	Conforms
Residual Solvent*	USP <467>	NA	Acetone – 538 ppm
Water	0.700.12.37	NA	ND
Appearance	NA	NA	White powder

\*Testing performed at an ISO 17025 accredited subcontracted laboratory.

ADJUSTED PURITY: 99.8% IS BASED ON (100 - 0.1 SOLVENTS - 0.0 WATER) X 99.9% HPLC

**STORAGE CONDITIONS**

<b>STORAGE</b>	Room Temperature in a dry place.
<b>EXPIRATION DATE</b>	09/2025 under the above conditions.

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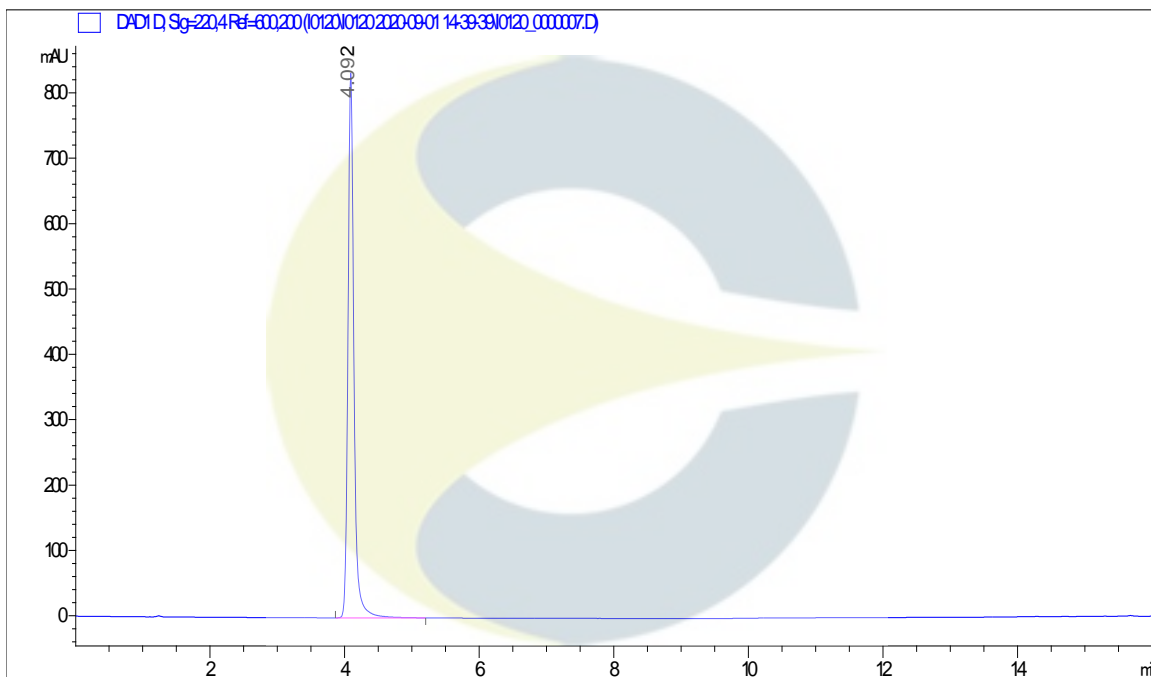
## Certificate of Analysis

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## ANALYTICAL CONDITIONS

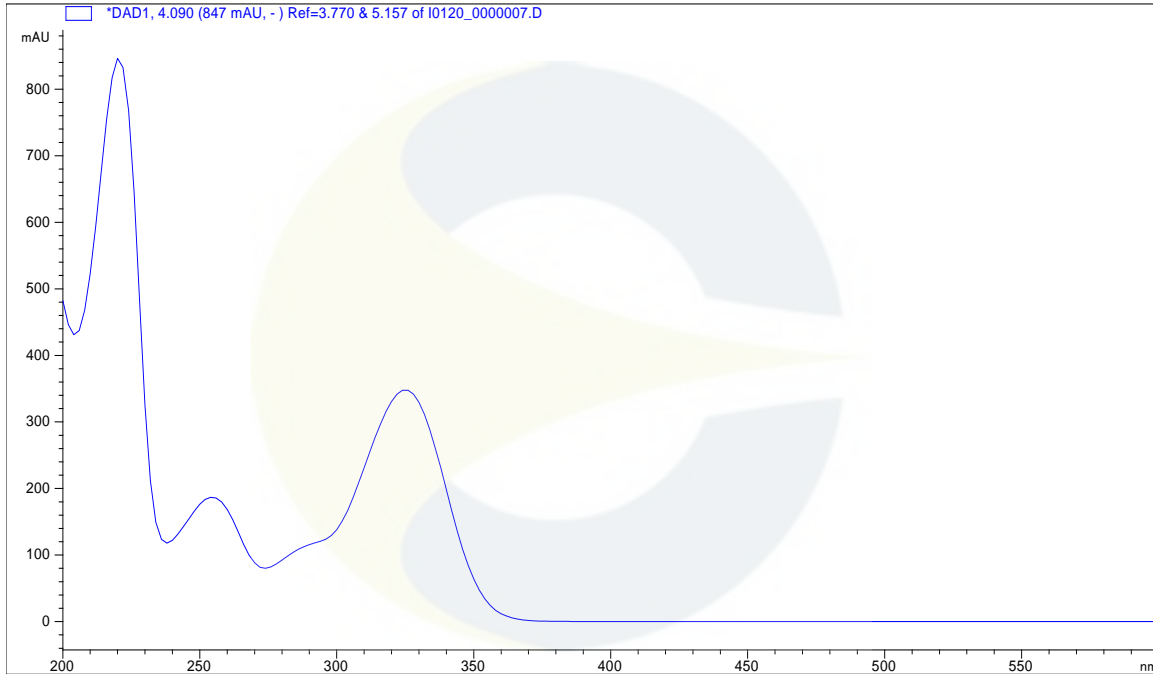
<b>INSTRUMENT</b>	AGILENT 1260 HPLC UV-VIS (DAD); AB-SCIEX 6600 TRIPLE TOF
<b>COLUMN</b>	Agilent Poroshell EC-18, 150 x 3.00 mm, 2.7 $\mu$ m particle size
<b>MOBILE PHASE</b>	A – 25 mM Potassium phosphate, dibasic (aqueous, pH 7.0), B - Acetonitrile Isocratic 1% B for 5 minutes, then increasing to 30% B over 7 minutes, then increasing to 40% B over 4 minutes, then decreasing to 1% B over 0.1 minutes.
<b>COLUMN TEMP.</b>	35 °C
<b>FLOW RATE</b>	0.45 mL/minute
<b>INJECTION VOL.</b>	0.4 $\mu$ L
<b>INJECTION CONC.</b>	1.1 mg/mL in Ultrapure water
<b>DETECTION</b>	220 $\pm$ 2 nm

## HPLC CHROMATOGRAM OF VITAMIN B6 (PYRIDOXINE) (CDXP-20-00635)

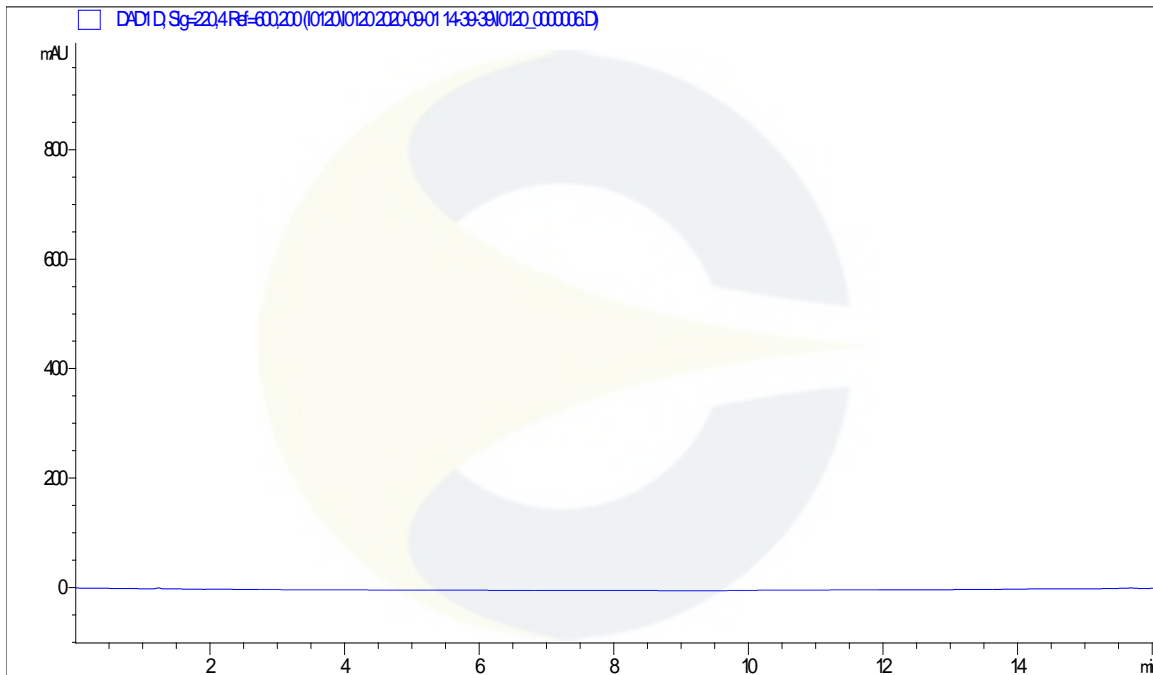


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**UV SPECTRUM AT RT = 4.1 MINUTES**

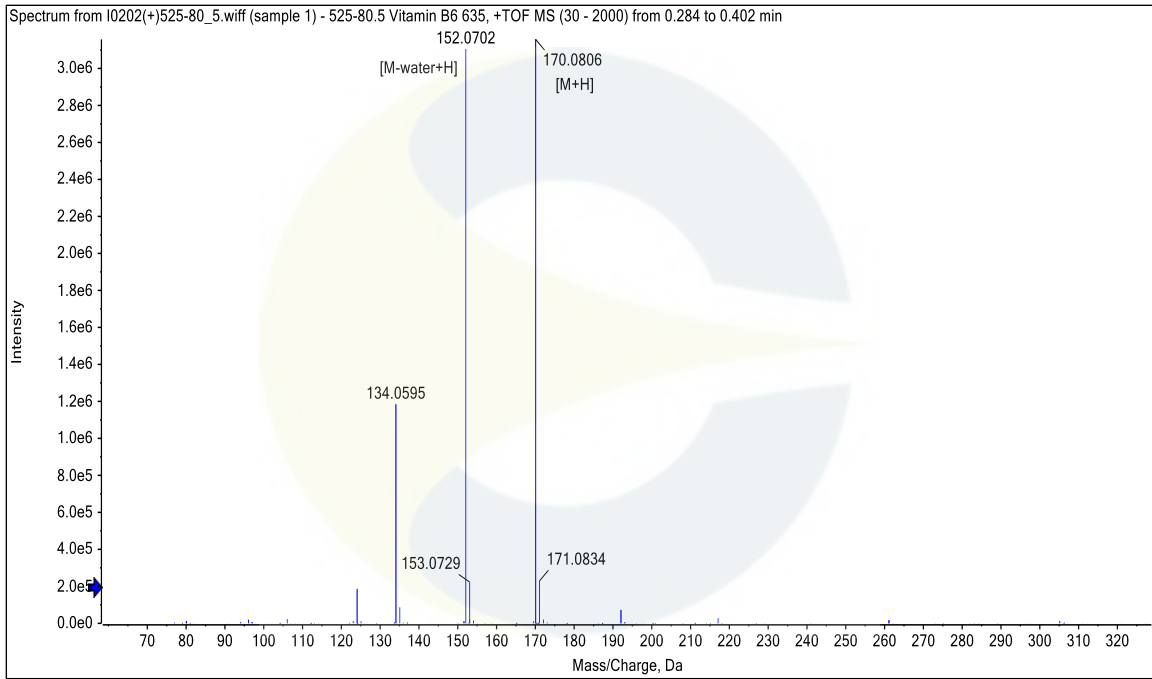


**HPLC CHROMATOGRAM OF DILUENT BLANK**

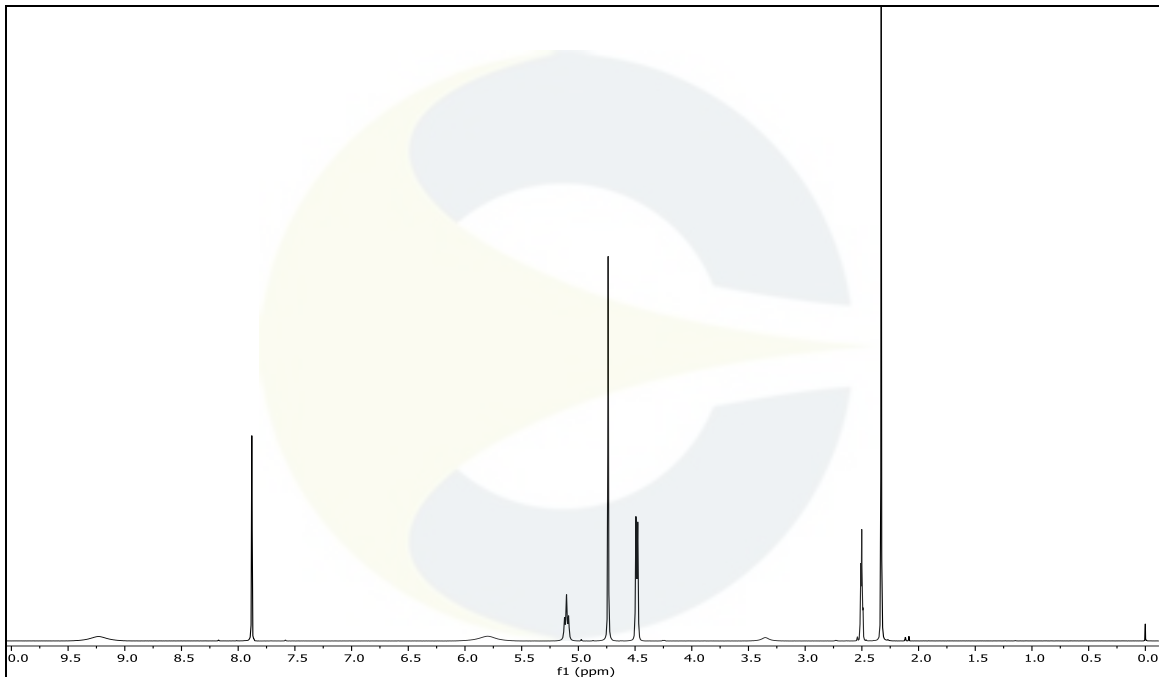


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**MASS SPECTRUM OF VITAMIN B6 (PYRIDOXINE) (CDXP-20-00635)**

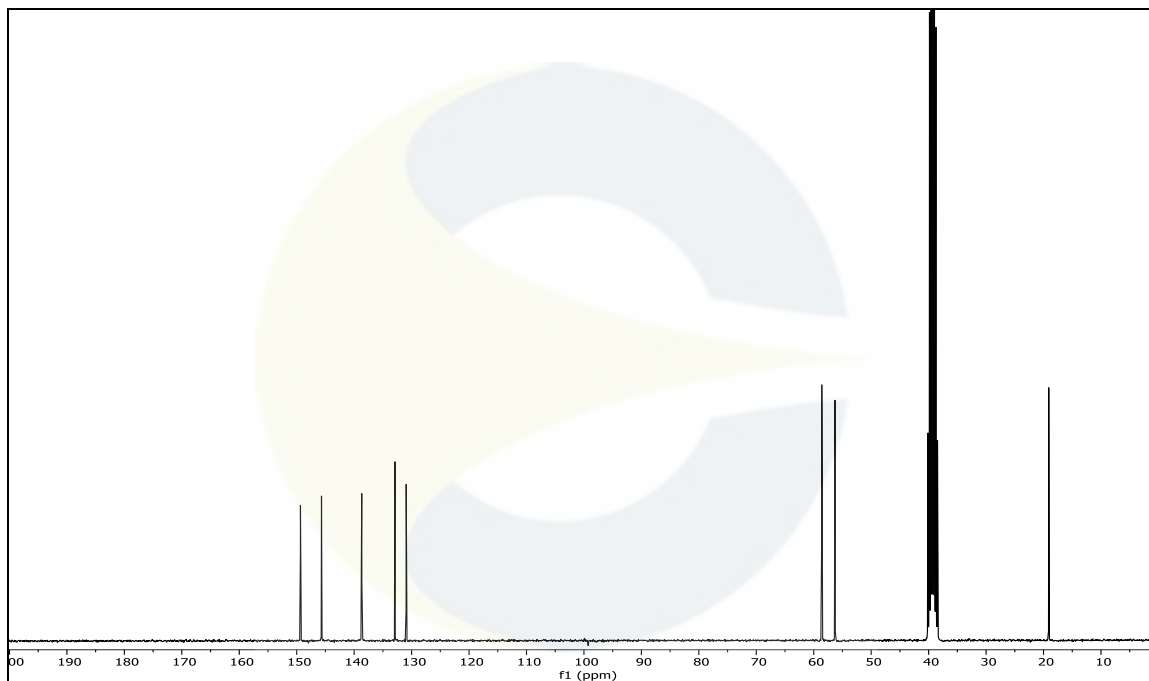


**<sup>1</sup>H-NMR SPECTRUM OF VITAMIN B6 (PYRIDOXINE) (CDXP-20-00635) IN DMSO-d<sub>6</sub>**



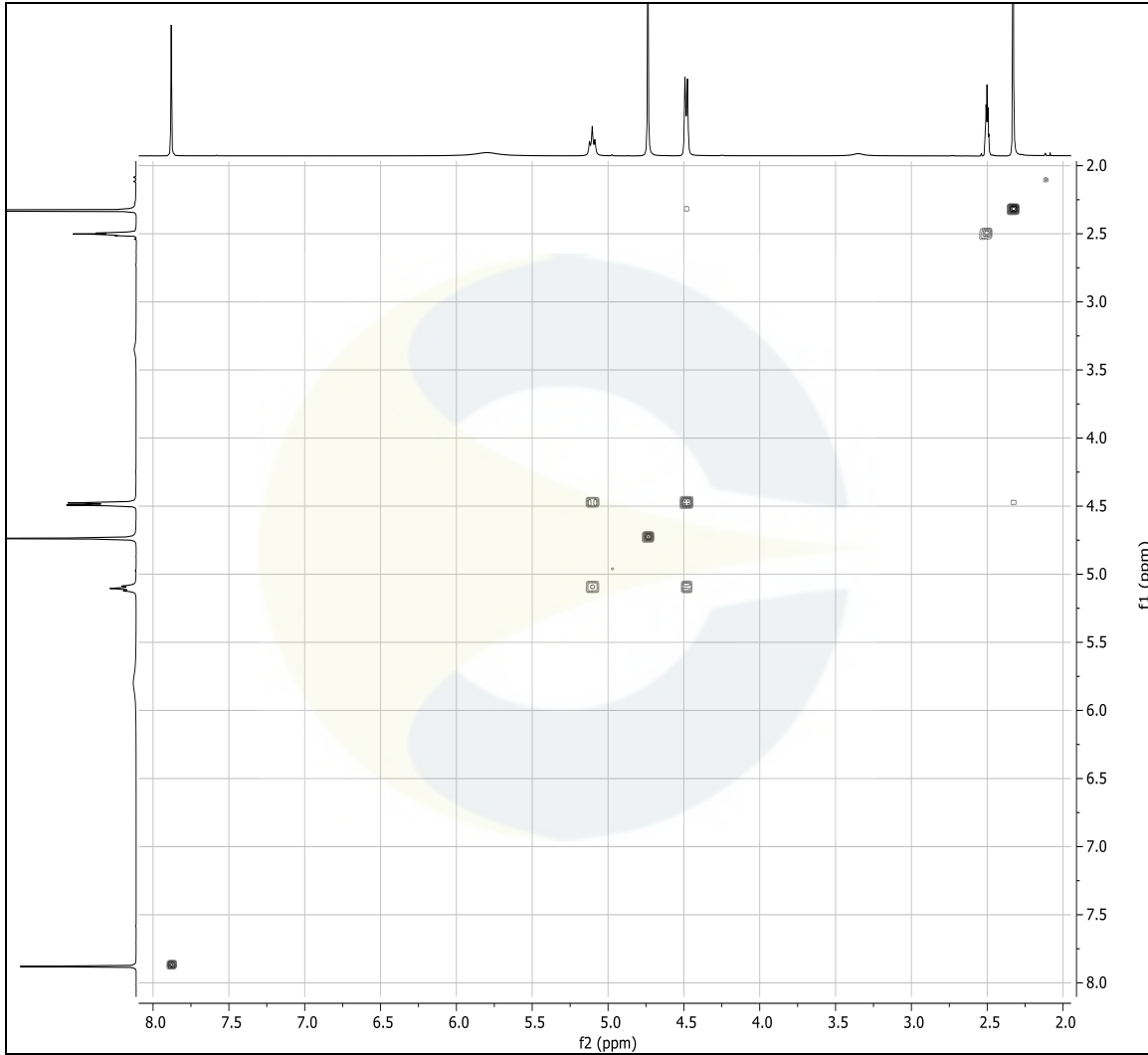
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<sup>13</sup>C-NMR SPECTRUM VITAMIN B6 (PYRIDOXINE) (CDXP-20-00635) IN DMSO-d<sub>6</sub>



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### COSY-NMR SPECTRUM OF VITAMIN B6 (PYRIDOXINE) (CDXP-20-00635) IN DMSO-d<sub>6</sub>



#### REVISION HISTORY

<u>Revision History</u>	<u>Date of Revision</u>	<u>Document/Changes</u>
00	09/18/2020	New report

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